

## INTERNATIONAL SEARCH REPORT

PCT/IB 02/01382

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F24D19/10 G01F1/26

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F24D F24H G01F F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	DE 100 38 874 A (WATTS CAZZANIGA S P A) 16 August 2001 (2001-08-16) the whole document	2,3,5-7, 12,14-17 11 1
X	DE 298 06 215 U (DUMSER METALLBAU GMBH & CO KG) 29 July 1999 (1999-07-29) claims 1-4,11,13; figures 1,2	2-6,12, 14-17
Y	DE 196 08 780 A (SBK GMBH) 12 September 1996 (1996-09-12) the whole document	11
A	DE 44 02 752 A (DANFOSS AS) 3 August 1995 (1995-08-03) column 1, line 42-68; figure 3	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

16 December 2002

Date of mailing of the international search report

31/01/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentplan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 851 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Leclaire, T

## INTERNATIONAL SEARCH REPORT

PCT/IB 02/01382

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 10038874	A	16-08-2001	IT MI20000131 A1	31-07-2001
			DE 10038874 A1	16-08-2001
			EP 1130364 A1	05-09-2001
			US 6325098 B1	04-12-2001
DE 29806215	U	29-07-1999	DE 29806215 U1	29-07-1999
DE 19608780	A	12-09-1996	DE 19608780 A1	12-09-1996
			DE 29623644 U1	25-02-1999
			AT 406793 B	25-09-2000
			AT 45996 A	15-01-2000
			CH 692591 A5	15-08-2002
			FR 2731492 A1	13-09-1996
DE 4402752	A	03-08-1995	DE 4402752 A1	03-08-1995
			AT 193757 T	15-06-2000
			AU 1532895 A	15-08-1995
			CA 2180562 A1	03-08-1995
			CN 1139979 A , B	08-01-1997
			CZ 9602205 A3	12-02-1997
			DE 69517414 D1	13-07-2000
			DE 69517414 T2	11-01-2001
			WO 9520733 A1	03-08-1995
			EP 0742876 A1	20-11-1996
			FI 963013 A	30-07-1996
			LV 11565 A	20-10-1996
			NO 963110 A	25-07-1996
			PL 315531 A1	12-11-1996
			RU 2126510 C1	20-02-1999
			SI 9520018 A	31-12-1996
			SK 99896 A3	08-01-1997